

AMENDMENT TO THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (currently amended) Adhesive composition comprising a formaldehyde-containing aminoplast resin and a catalysing compound, wherein characterized in that the catalysing compound is an acid or is able to release an acid with a pKa lower than 6, under the proviso that the catalysing compound comprises at most ~~[[11]]~~ 6 wt.% of an ammonium salt, and in that the formaldehyde-containing aminoplast resin has a ~~F/(NH₂)₂~~ F/(NH₂)₂ ratio which is lower than or equal to ~~[[1]]~~ 0.95, and wherein the adhesive composition has a pH in the range of 7 to 5.5 and exhibits a formaldehyde potential when cured of lower than 8 mg/100g according to DIN NEN 120.
2. (currently amended) Adhesive composition according to claim 1, wherein characterized in that the catalysing compound is an acid or is able to release an acid with a pKa lower than 5.
3. (currently amended) Adhesive composition according to claim 1, wherein characterized in that the catalysing compound is a monoacid or a methyl ester, melamine salt or urea salt of one or more monoacids with a pKa lower than 4 or a methylolated urea or melamine compound esterified with one or more monoacids with a pKa lower than 4.
4. (currently amended) Adhesive composition according to claim 3, wherein characterized in that the catalysing compound is formic acid or a methyl ester, melamine salt or urea salt of formic acid or a methylolated urea or melamine compound esterified with formic acid.

5. (currently amended) Adhesive composition according to claim 4, wherein
~~characterised in that~~ the catalysing compound is formic acid.
6. (currently amended) Adhesive composition according to claim 1, wherein
~~characterised in that~~ the catalysing compound is acetic acid.
7. (cancelled)
8. (withdrawn and currently amended) Adhesive composition according to claim
[[7,]] 1, wherein ~~characterised in that~~ the pH of the adhesive composition is 6.5-
5.5.
9. (withdrawn and currently amended) Process for the preparation of a board
material comprising forming a mixture of ~~by mixing~~ cellulose-containing
compounds with the adhesive composition according to claim 1, and curing the
[[same]] mixture to form a board material.
10. (withdrawn and currently amended) Board material made by the process
~~obtainable~~ according to claim 9.
11. (withdrawn and currently amended) Board material according to claim 10 having
a [[whose]] formaldehyde potential according to DIN NEN 120 [[is]] of lower than
8 mg/100 g.
12. (withdrawn and currently amended) Board material according to claim 11 having
a [[whose]] formaldehyde potential according to DIN NEN 120 [[is]] of lower than
6.5 mg/100 g.
13. (withdrawn and currently amended) Board material according to claim 10 having
an [[whose]] internal bond strength which complies with the specification stated in
EN 312-5 for load-bearing board material for use in damp conditions measured
according to NEN-EN 1087-1 (V100).

14. (withdrawn and currently amended) Process for the preparation of a plywood board material comprising applying the application of an adhesive composition which is cured, characterised in that an adhesive composition comprising a formaldehyde-containing aminoplast resin and a catalysing compound, wherein the catalysing compound is an acid or is able to release an acid with a pKa lower than 6, under the proviso that the catalysing compound comprises at most 6 wt.% of an ammonium salt, and in that the formaldehyde-containing aminoplast resin has a F/(NH₂)₂ ratio which is lower than or equal to 1.2, and wherein the adhesive composition has a pH in the range of 7 to 5.5 and exhibits a formaldehyde potential when cured of lower than 8 mg/100g according to DIN NEN 120, and thereafter curing the applied adhesive composition, according to claim 1 is applied, with the formaldehyde-containing aminoplast resin possessing a F/(NH₂)₂ ratio lower than 1.2.
15. (withdrawn and currently amended) Plywood material made by obtainable according to the process of claim 14.
16. (withdrawn and currently amended) Plywood material according to claim 15 having a [[whose]] tensile strength according to the JAS [[is]] of at least 7 kg/cm².
17. (withdrawn and currently amended) Plywood material according to claim 15 having a [[whose]] formaldehyde emission according to the JAS [[is]] of not more than 0.3 mg/100 ml of water.